

**Notice of Allowability**

Application No.

10/774,305

Examiner

Allyson N. Trail

Applicant(s)

MOORHOUSE ET AL.

Art Unit

2876

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 4/26/2006.
2. ☒ The allowed claim(s) is/are 1-43.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

## **DETAILED ACTION**

### ***Amendment***

1. Receipt is acknowledged of the Amendment filed April 26, 2006.

### ***Allowable Subject Matter***

2. Claims 1-43 are allowable over prior art.

The following is an examiner's for allowance: Prior art teaches security locks which include at least one key insertable into the lock and plurality of rotatable discs with at least one of the discs being rotatable by the key. Prior art additionally teaches sensors capable of sensing changes to the lock as the key is inserted. The above identified prior art of record, taken alone, or in combination with any other prior art, fails to teach or fairly suggest the specific features of claims 1-43 of the present claimed invention. Specifically, prior art fails to teach the plurality of sensors being capable of optically sensing surface changes of the rotatable discs during rotation of at least one disc in order to generate a signal used to define a change of a state count corresponding with the surface changes. Additionally, prior art fails to teach a controller in operable communication with the plurality of sensors, wherein the controller is adapted to process the change of state count from the sensors. Lastly, prior art fails to teach the above lock being used in a method of performing a transaction, wherein transactional data is entered at an input device, which is in operable communication with the processing system. The above limitations are not disclosed in prior art and moreover, one of ordinary skill in the art would not have been motivated to come to the claimed invention.

**Conclusion**


3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Allyson N. Trail* whose telephone number is (571) 272-2406. The examiner can normally be reached between the hours of 7:30AM to 4:00PM Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee, can be reached on (571) 272-2398. The fax phone number for this Group is (571) 273-8300.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [[allyson.trail@uspto.gov](mailto:allyson.trail@uspto.gov)].

*All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.*

Allyson N. Trail  
Patent Examiner  
Art Unit 2876  
June 5, 2006



**THIEN M. LE**  
**PRIMARY EXAMINER**

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. The examiner's amendment was necessary in order to clarify that a brief description is provided for every figure.

The application has been amended as follows:

**In the specification:**

The paragraph beginning on page 7, line 1, has been replaced with the following amended paragraph:

Figs. ~~9A-9C~~ 9A, 9A-1, 9A-2, 9B, 9B-1, 9B-2 and 9C combined are a partial circuit diagram for a controller and security system in accordance with an embodiment of the present invention.

The paragraph beginning on page 7, line 3, has been replaced with the following amended paragraph:

Figs. ~~9D-9F~~ 9D, 9D-1, 9D-2, 9D-3, 9E, 9E-1, 9E-2, 9F, 9F-1, 9F-2, 9F-3 and 9F-4 combined are a partial circuit diagram for a controller and security system in accordance with an embodiment of the present invention.

The paragraph beginning on page 7, line 15, has been replaced with the following amended paragraph:

Figs. 13D-1 and 13D-2 are ~~Fig. 13D~~ is a flow chart of one process of operation for a security system in accordance with an embodiment of the present invention utilized primarily in transactional environments.

The paragraph beginning on page 7, line 19, has been replaced with the following amended paragraph:

Figs. 15A and 15B are ~~Fig. 15~~ is a flow chart of one process of programming a database for a security system in accordance with an embodiment of the present invention.

*Jared J. Fureman*  
**JARED J. FUREMAN**  
**PRIMARY EXAMINER**